

FIG.1

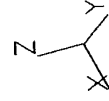


FIG. 2

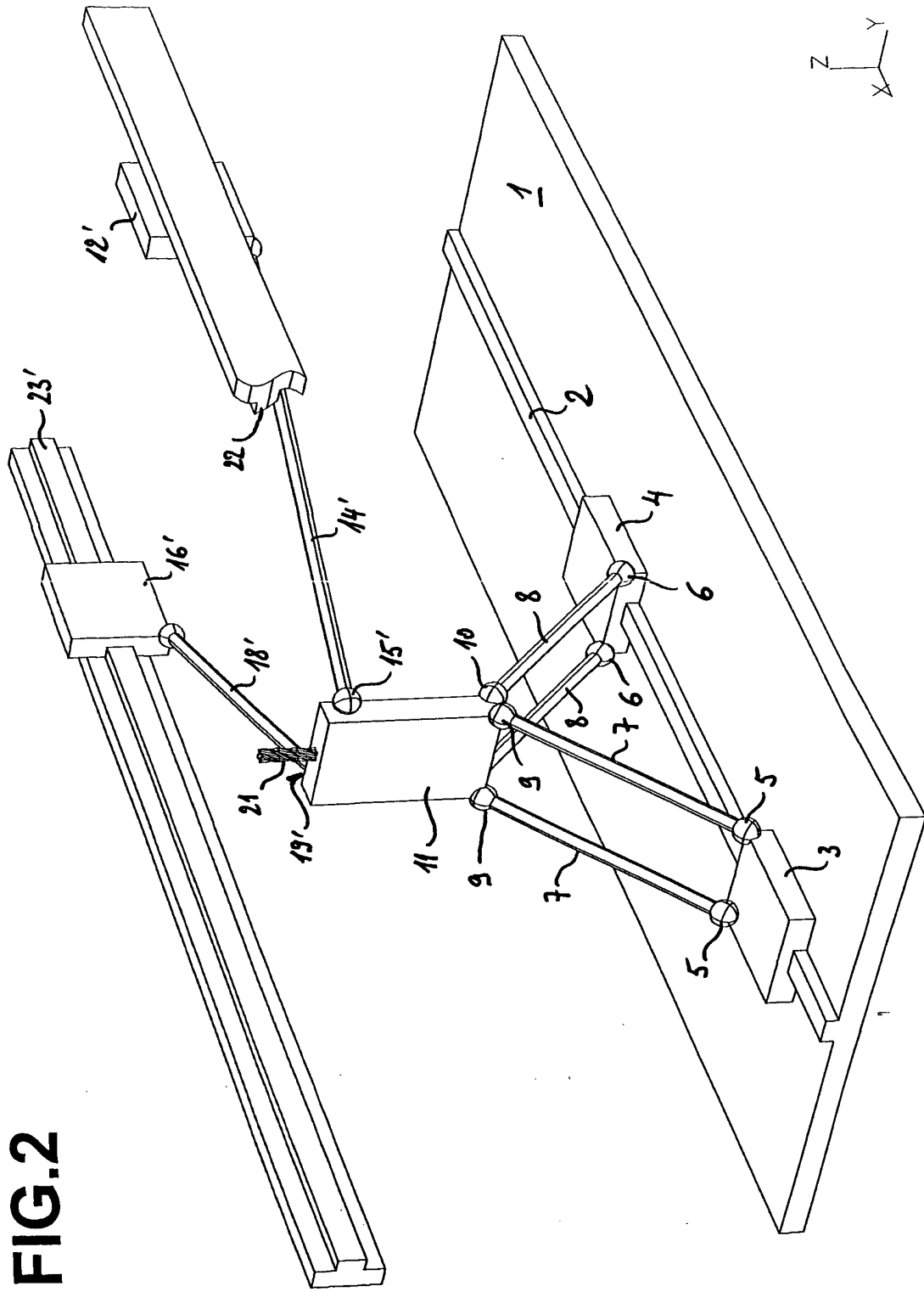
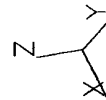
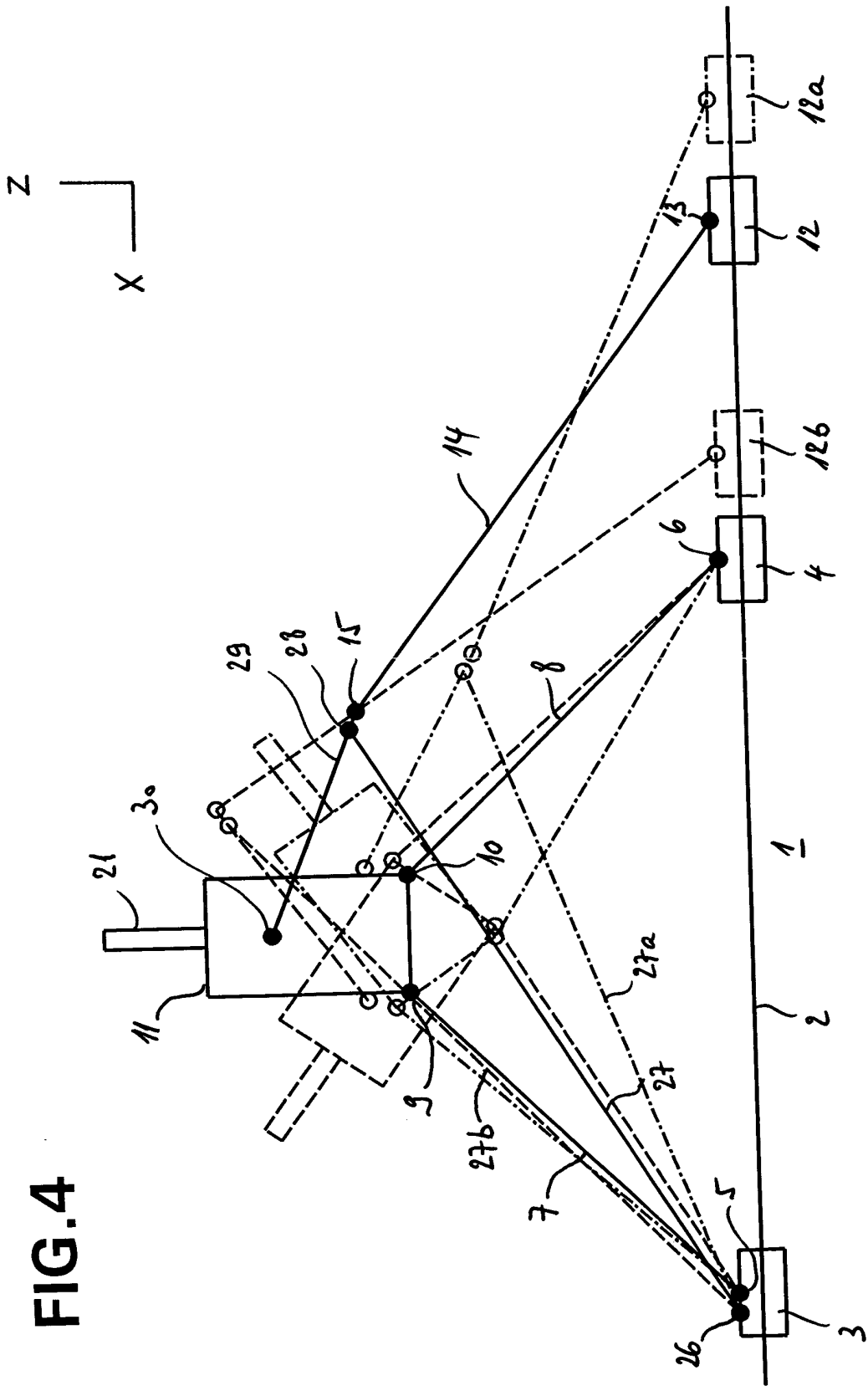


FIG. 3 is a perspective view of the mechanical assembly. It shows a base frame (1) with a central longitudinal track (2). A vertical support (3) is positioned at one end. A horizontal beam (4) is mounted on the track. A series of links (5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30) are connected to the beam and the support, forming a complex linkage mechanism. A coordinate system (X, Y, Z) is shown in the upper right corner, indicating the orientation of the assembly.





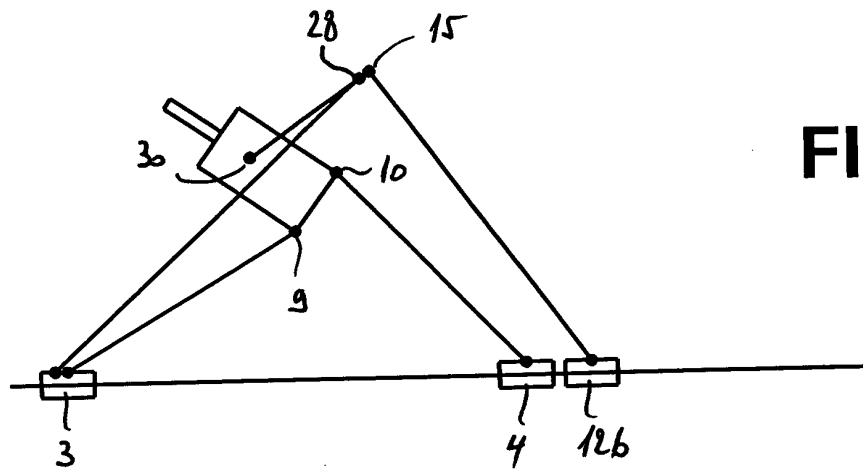


FIG. 4c

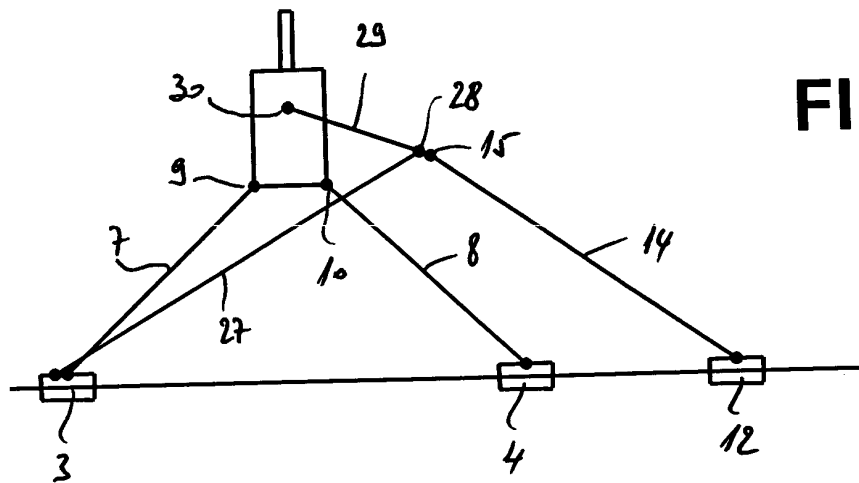


FIG. 4a

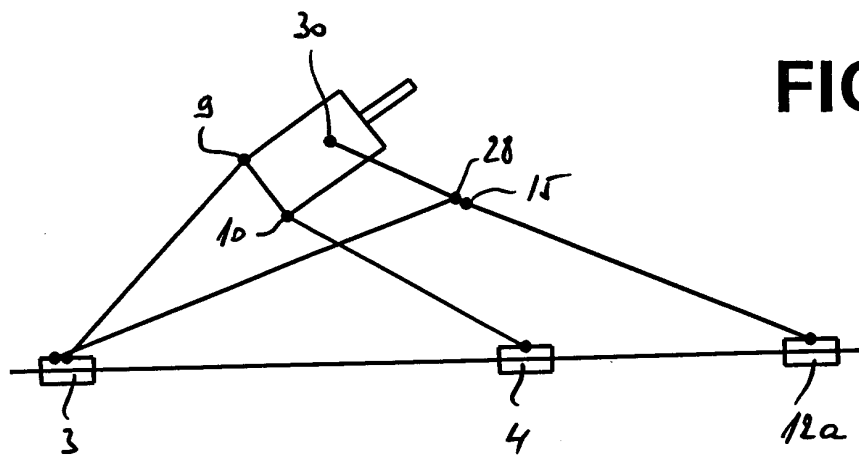
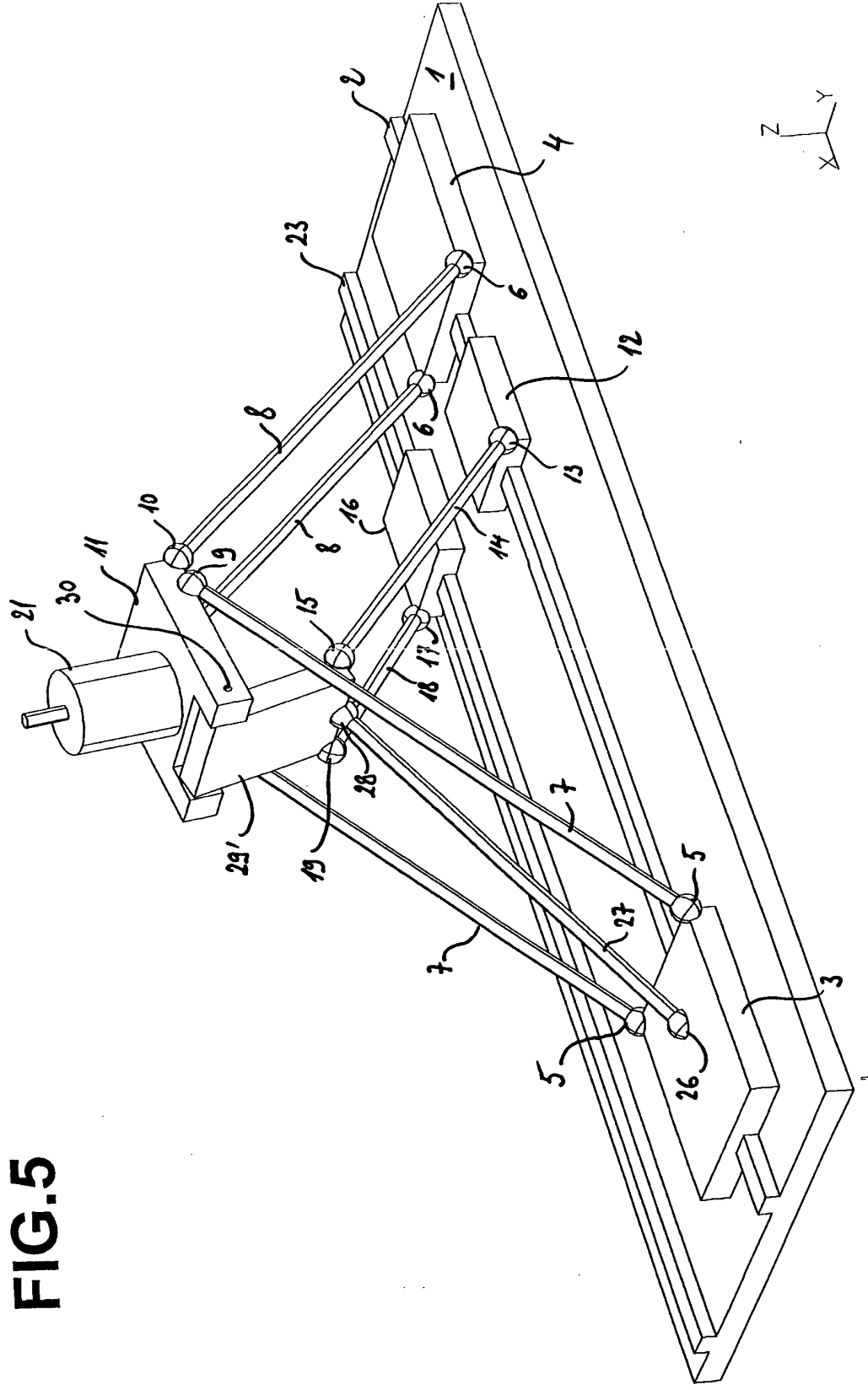
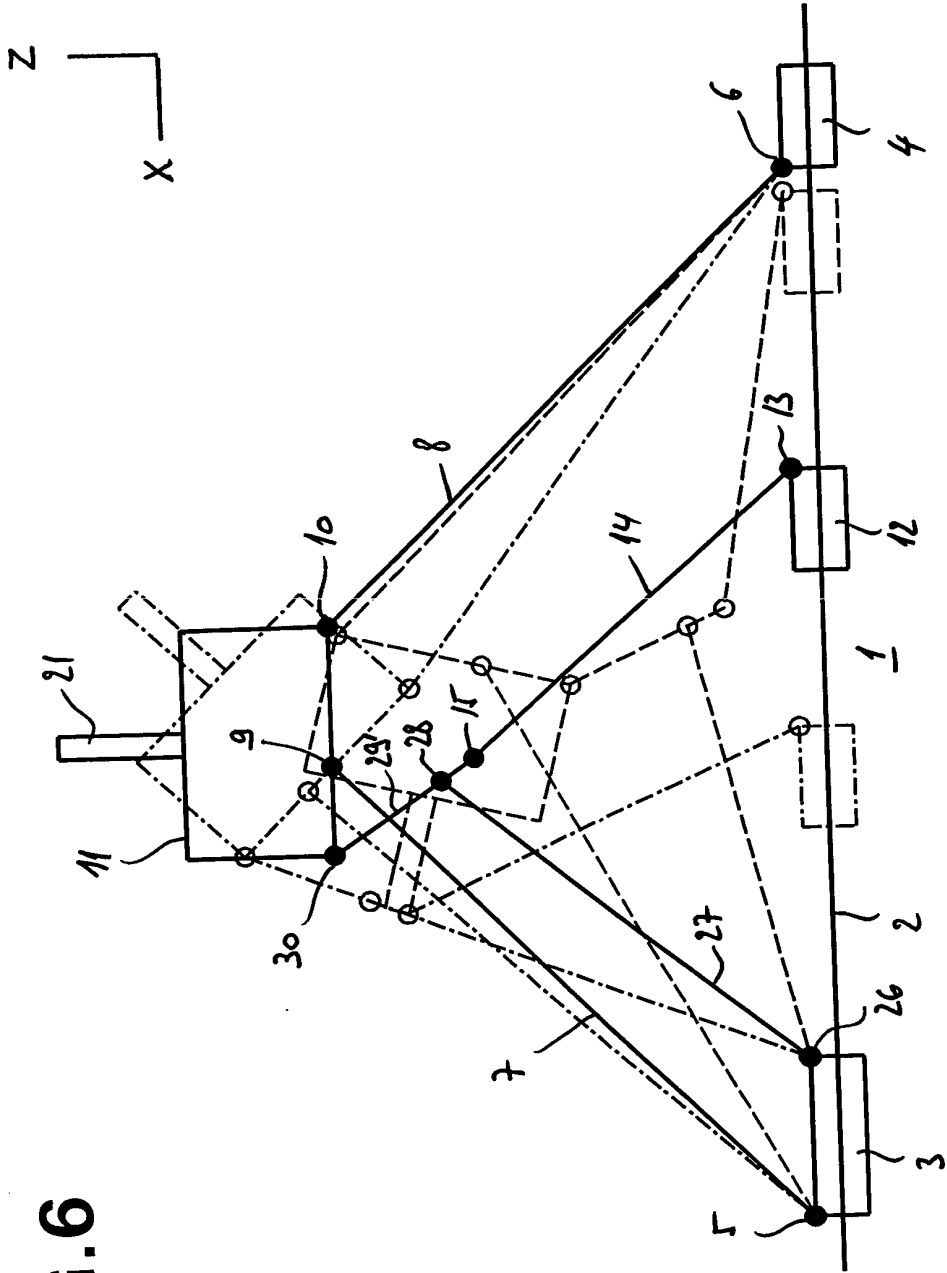


FIG. 4b

FIG.5





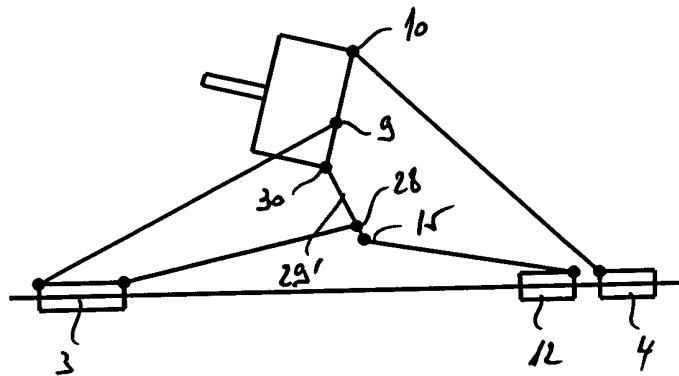


FIG. 6c

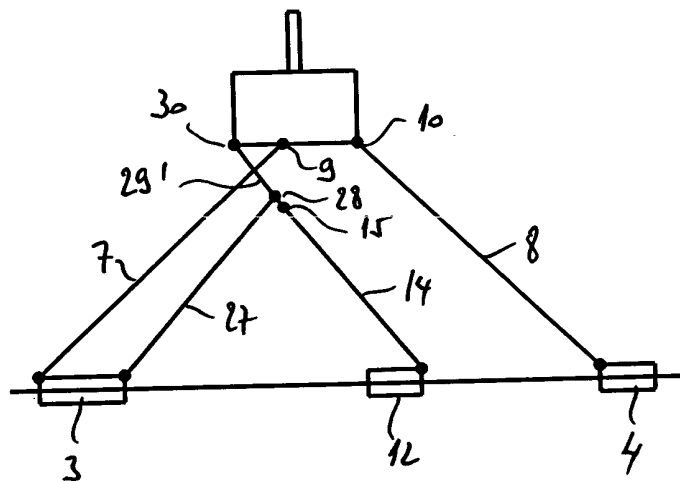


FIG. 6a

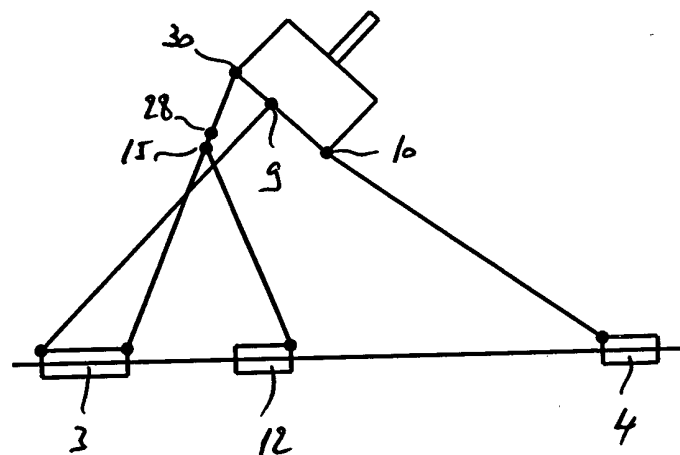


FIG. 6b

FIG. 7

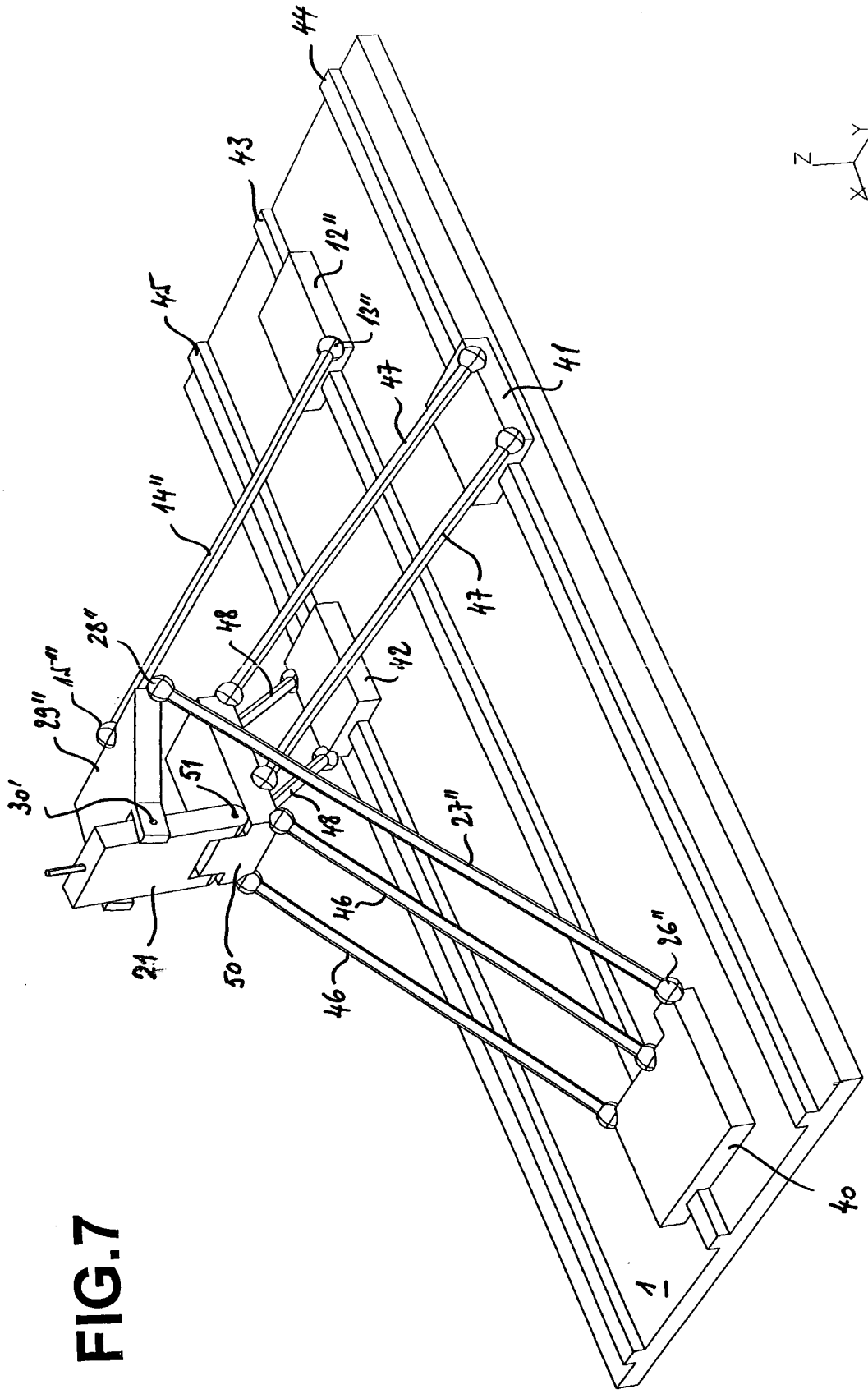
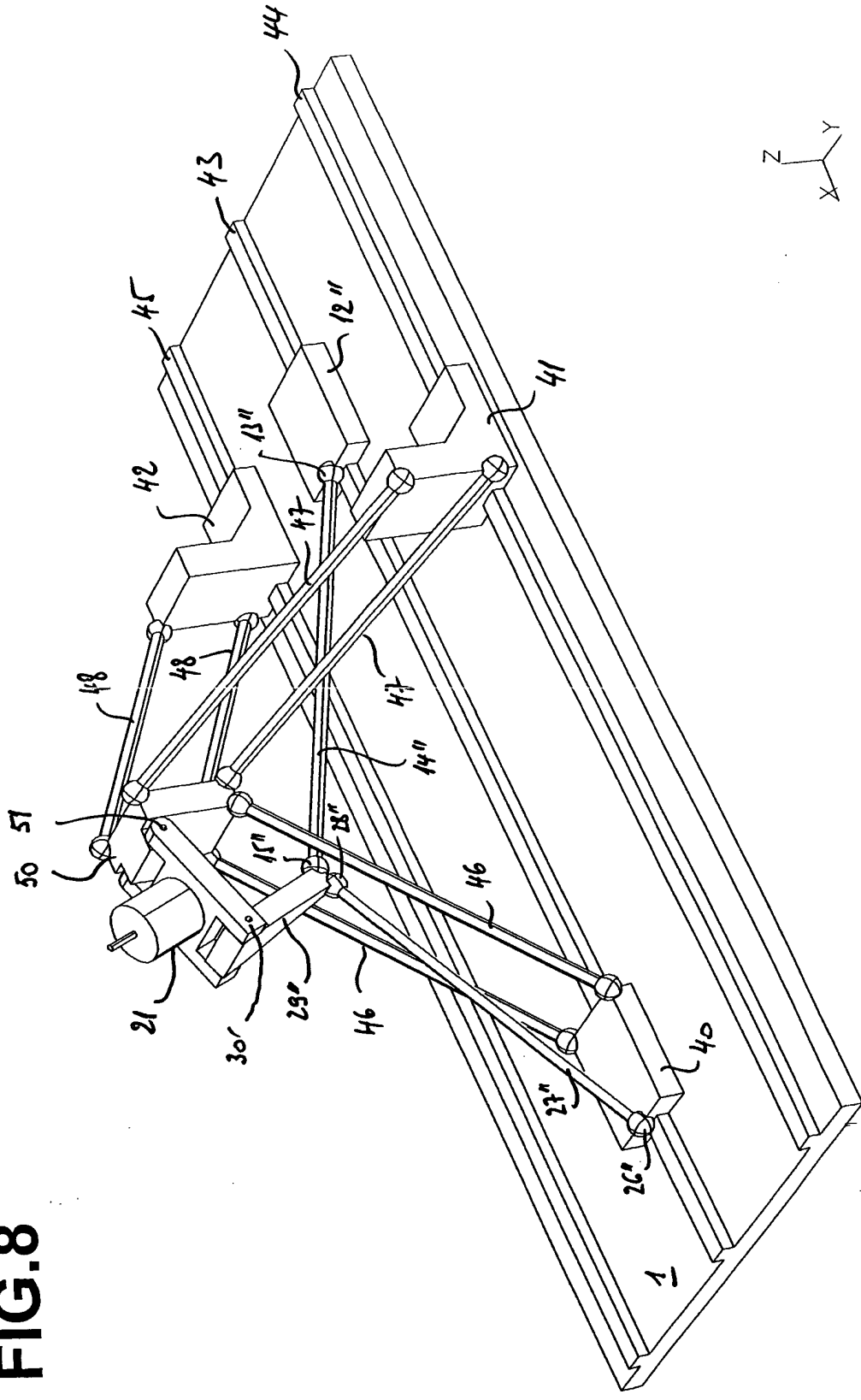


FIG. 8



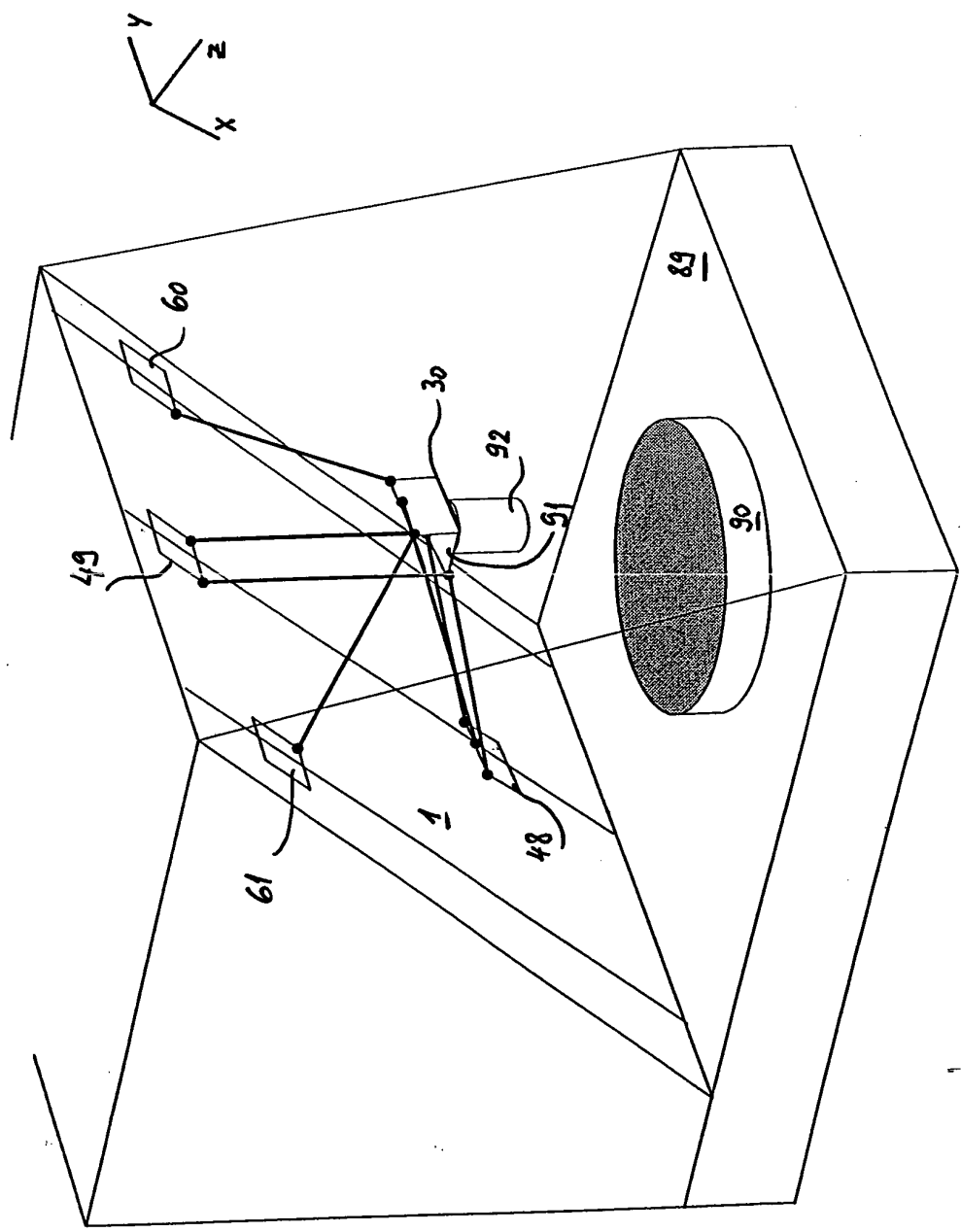


FIG.9

